

To: McComb, Martin[McComb.Martin@epa.gov]; Nattis, Randy[Nattis.Randy@epa.gov]
From: Delgado, Eric
Sent: Sat 8/8/2015 7:51:49 PM
Subject: Fwd: Water Quality Criteria - Animas River
[Animas River \(NM\) - WQC.xlsx](#)
[ATT00001.htm](#)

This is what was provided to me. I'm not sure how useful it is. We need someone to establish the DQOs so we know what we need to use to generate data summary reports for the EU people

Sent from my iPhone

Begin forwarded message:

From: "Restivo, Angela" <Restivo.Angela@epa.gov>
Date: August 8, 2015 at 09:54:32 CDT
To: "Delgado, Eric" <Delgado.Eric@epa.gov>, "Loesel, Matthew" <loesel.matthew@epa.gov>, "Janine.Latham@WestonSolutions.com" <Janine.Latham@WestonSolutions.com>
Cc: "Rauscher, Jon" <Rauscher.Jon@epa.gov>, "Turner, Philip" <Turner.Philip@epa.gov>, "Martin, John" <martin.john@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Foster, Althea" <Foster.Althea@epa.gov>, "Crossland, Ronnie" <Crossland.Ronnie@epa.gov>, "Webster, Susan" <webster.susan@epa.gov>, "david.crow@westonsolutions.com" <david.crow@westonsolutions.com>
Subject: FW: Water Quality Criteria - Animas River

Here are the water quality standards data for both rivers.

From: McCoy, Melinda
Sent: Friday, August 07, 2015 2:36 PM
To: Brown, Jamesr; Kirkland, Robert; McCasland, Mark; Garcia, David; Restivo, Angela
Cc: Foster, Althea; Crossland, Ronnie; Webster, Susan; Martinez, Maria; Crocker, Philip; Nelson, Russell
Subject: Water Quality Criteria - Animas River

Hi Everyone,

Earlier this morning, David and Maria asked me to compile the WQS applicable to the

Animas River, and to identify any previous water quality impairments (303d listings) identified. Earlier today, I sent them a list of the applicable designated uses and the 303(d) listing information (see emails forwarded below).

Additionally, I have compiled an Excel spreadsheet showing the water quality criteria applicable to the two Animas River segments. Please see attached Excel file.

Thanks,

Melinda

Melinda McCoy, Environmental Scientist

Water Quality Standards Program

USEPA Region 6 (6WQ-EW)

1445 Ross Ave., Ste. 1200

Dallas, TX 75202

214-665-8055 (phone)

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mccoy.melinda@epa.gov

From: McCoy, Melinda

Sent: Friday, August 07, 2015 11:31 AM

To: Garcia, David; Martinez, Maria; Brown, James

Cc: Nelson, Russell

Subject: Animas River WQS

Hi David and Maria,

The Animas River is a considered classified water. It is split into 2 segments between the NM/CO state line and it's confluence with the San Juan River. Estes Arroyo is the dividing line between the 2 segments. (See NMAC 20.6.4.403-404).

The table below shows the designated uses applicable to these 2 segments:

| Animas from confluence with San Juan upstream to Estes Arroyo | Animas from Estes Arroyo upstream to NM/CO line |
|--|--|
| Marginal coldwater and warmwater | Coldwater |
| Primary Contact | Primary Contact |
| Public Water Supply | Public Water Supply |
| Industrial Water Supply | Industrial Water Supply |
| Irrigation | Irrigation |
| Livestock watering | Livestock watering |
| Wildlife Habitat | Wildlife Habitat |

The criteria applicable to each of these designated uses can be found in NMAC 6.4.900 (see attachment). I can compile all of this into an Excel spreadsheet, but for the sake of time, I'm just including the attachment right now.

Note that the DO, temperature, and pH criteria differ for each aquatic life use:

Coldwater: dissolved oxygen 6.0 mg/L or more, 6T3 temperature 20°C (68°F), maximum temperature 24°C (75°F) and pH within the range of 6.6 to 8.8. Where a single segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

Marginal Coldwater: dissolved oxygen 6 mg/L or more, 6T3 temperature 25°C (77°F), maximum temperature 29°C (84°F) and pH within the range from 6.6 to 9.0. Where a single

segment-specific

temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

Warmwater: dissolved oxygen 5 mg/L or more, maximum temperature 32.2°C (90°F) and pH within the range of 6.6 to 9.0. Where a segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature.

I'll send you the 303d information as soon as I gather it.

Thanks,

Melinda

Melinda McCoy, Environmental Scientist

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From: McCoy, Melinda

Sent: Friday, August 07, 2015 11:44 AM
To: Garcia, David; Martinez, Maria; Brown, James
Cc: Nelson, Russell
Subject: Animas 303d listings (2014-2016 reporting cycle)

Hi David, Maria, and Jim,

From New Mexico's 2014-2016 Integrated Report. Here are the impairments identified for the Animas River (categories 4 and 5).

| 8-digit HUC | HUC | AU_ID | AU Name | WASIS SIZE | WQS Reference | IR IMPAIRMENT Category | STATUS | EPA TMDL Approval Date | FIRST LIST | CYC |
|-------------|----------|---------|---|------------|---------------------|------------------------|-------------------------|------------------------|------------|------|
| 14080104 | 14080104 | NM-2404 | Animas River (Estes Arroyo to So. Ute Indian Tribe bnd) | 18.8 MILES | ES-404i | 5/5B | TMDL Completed | 2013-09-30 | 2012 | |
| 14080104 | 14080104 | NM-2404 | Animas River (Estes Arroyo to So. Ute Indian Tribe bnd) | 18.8 MILES | ES-404i total | 5/5B | TMDL Completed | 2013-09-30 | 2012 | |
| 14080104 | 14080104 | NM-2404 | Animas River (Estes Arroyo to So. Ute Indian Tribe bnd) | 18.8 MILES | ES-404i temperature | 5/5B | List (no TMDL in place) | | | 1998 |
| 14080104 | 14080104 | NM-2404 | Animas River (Estes Arroyo to So. Ute Indian Tribe bnd) | 18.8 MILES | ES-404i | 5/5B | List (no TMDL in place) | | | 2012 |
| 14080104 | 14080104 | NM-2403 | Animas River (San Juan River to Estes Arroyo) | 16.3 MILES | ES-403i | 4A | TMDL Completed | 2013-09-30 | 2012 | |
| 14080104 | 14080104 | NM-2403 | Animas River (San Juan River to Estes Arroyo) | 16.3 MILES | ES-403i | 4A | TMDL Completed | 2006-01-17 | 2004 | |
| 14080104 | 14080104 | NM-2403 | Animas River (San Juan River to Estes Arroyo) | 16.3 MILES | ES-403i temperature | 4A | TMDL Completed | 2013-09-30 | 2012 | |
| 14080104 | 14080104 | NM-9000 | Blanco Farmington | 19.8 ACRES | ES-409i | 5/5A | List (no TMDL in place) | | | 2004 |

(Beeline Reservoir)

fish tissue

TMDL in
place)

Category Description

4A Available data and/or information indicate that at least one designated or existing use is not being supported, but a Total Maximum Daily Load (TMDL) is not needed because TMDLs have been already been established.

5A Available data and/or information indicate that at least one designated or existing use is not being supported and necessary TMDLs are underway or scheduled.

5B Available data and/or information indicate that at least one designated or existing use is not being supported and a review of the water quality standard will be conducted to verify appropriateness.

Melinda McCoy, Environmental Scientist

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